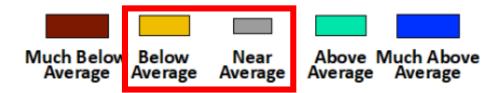


Key Points



- Spring flood risk is average to slightly below average across all of southern Wisconsin
 - Main factor is below normal snow pack
 - Additional snow pack will increase this risk
 - Break Up Ice Jam Risk
- Flooding is still possible, the underlying risk is not elevated at this time
 - Flooding is possible with rain on frozen ground
 - Greatest risk of flooding occurs with snow melt and moderate to heavy rain

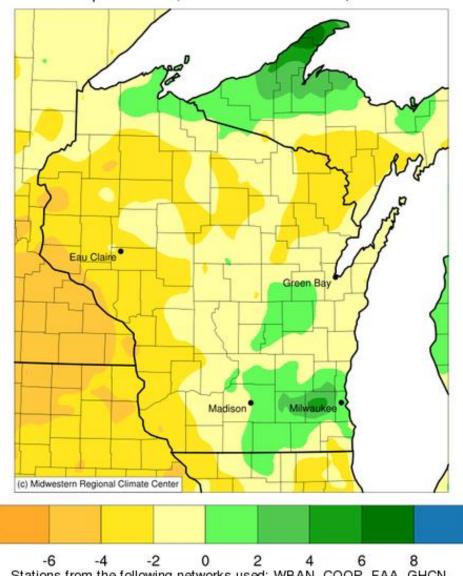


Flood Risk Factor	Status	Risk
Snowpack	Below Average	Lowers Risk
Soil Moisture	Average to Slightly Above	Slightly Increases Risk
Frost Depth	Lower than Average	Slightly Decreases Risk
River Levels	Average to Above Average	Slightly Increases Risk
Spring Precipitation	?	?
Spring Temperatures	?	?



December 01, 2022 to February 08, 2023

September 01, 2022 to November 30, 2022



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center

cli-MATE: MRCC Application Tools Environment Generated at: 2/9/2023 9:44:17 AM CST

Green Bay Milwaukee (c) Midwestern Regional Climate Cente

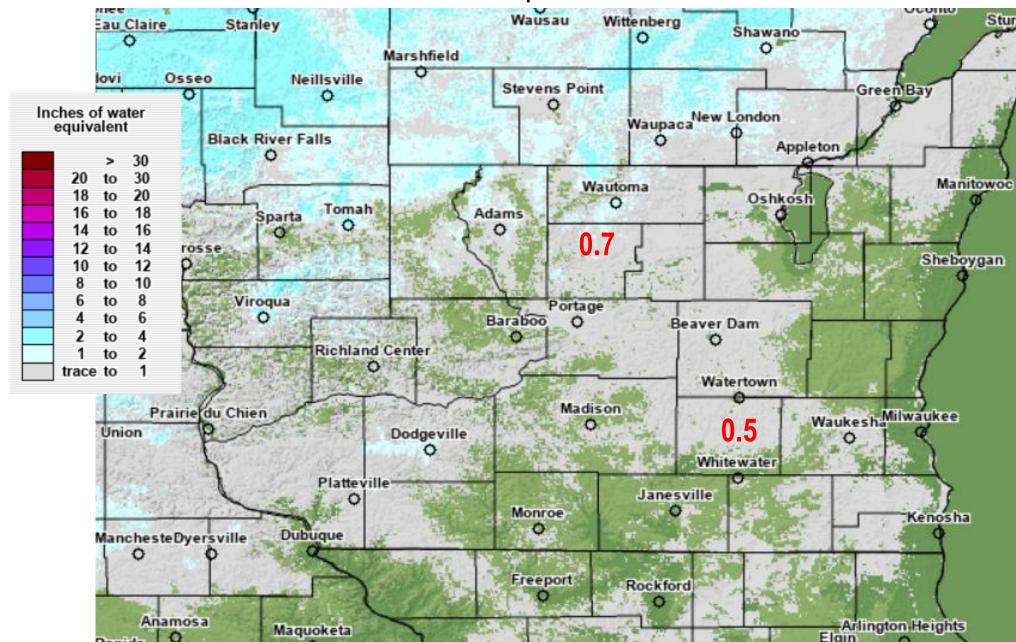
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5 3 3.5 Stations from the following networks used: WBAN, COOP, FAA, GHCN,

ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center

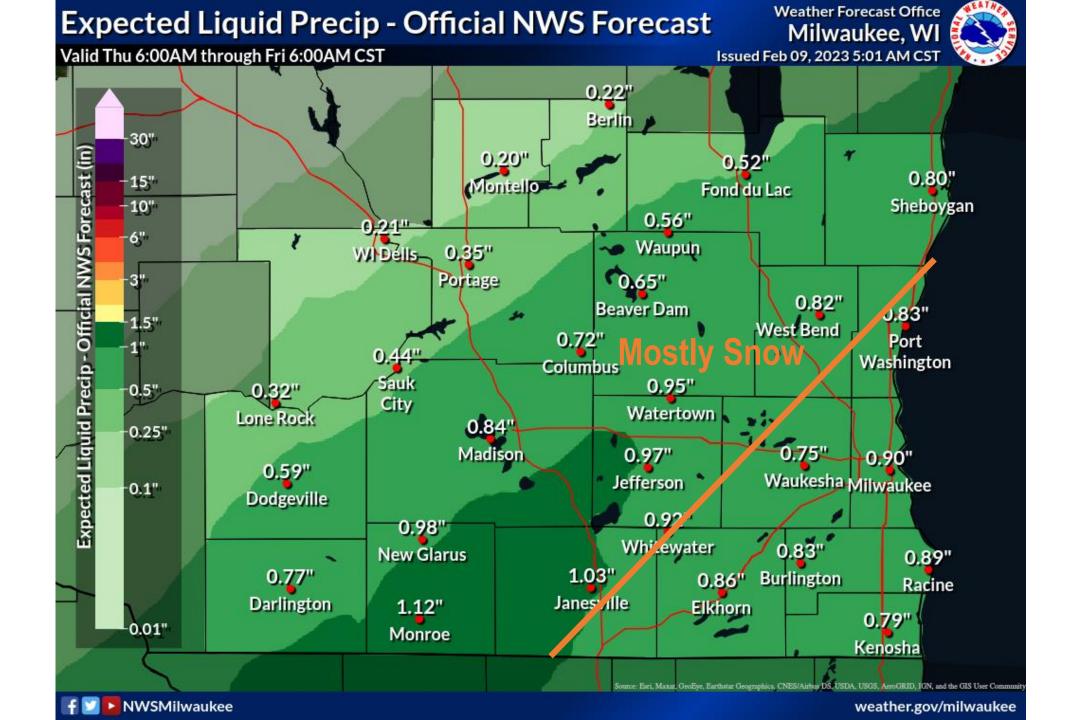
cli-MATE: MRCC Application Tools Environment Generated at: 2/8/2023 2:26:40 PM CST



Snow Water Equivalent 2/8/23

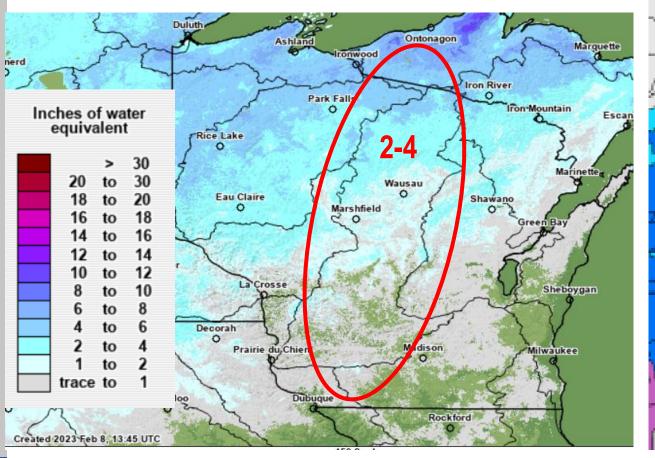


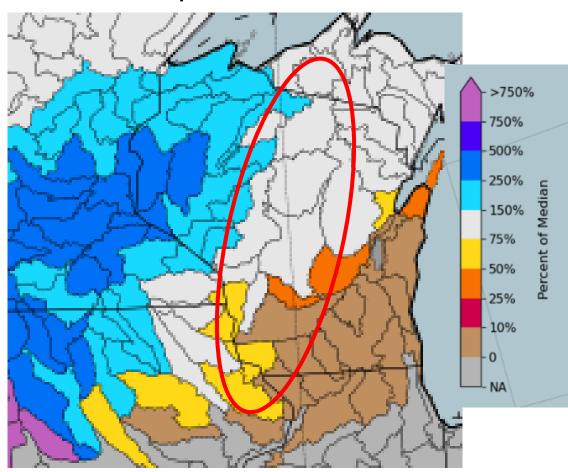




Wisconsin River



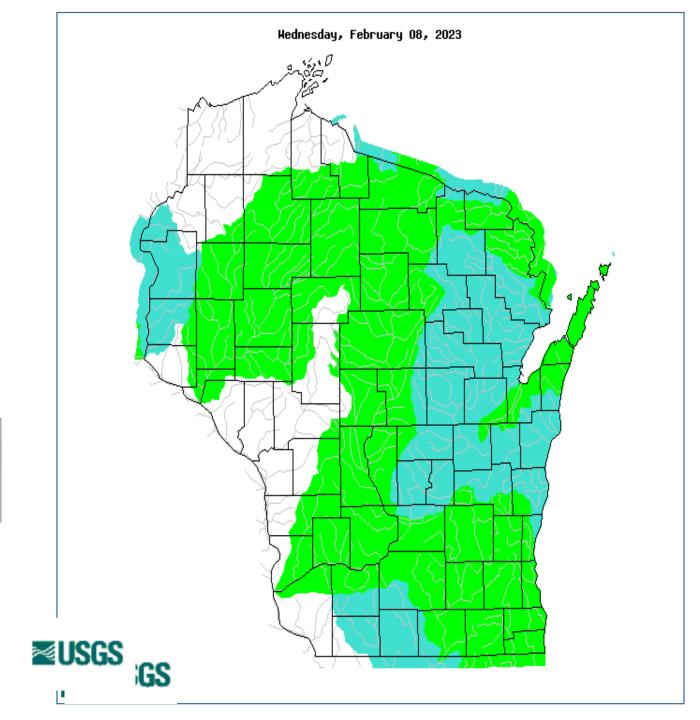






14 day Mean Streamflow Percentile

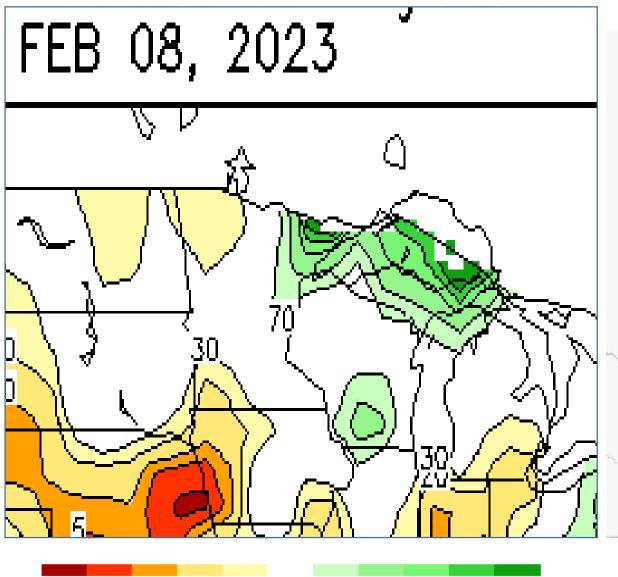
Explanation - Percentile classes							
	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		





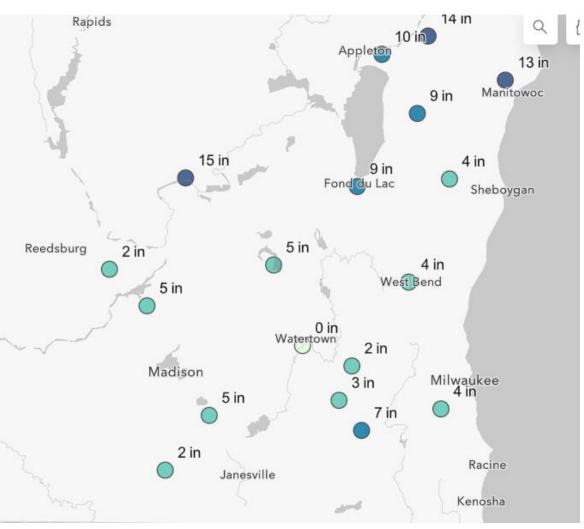
Soil Moisture Percentile

Frost Depth 2/6/2023



95

99

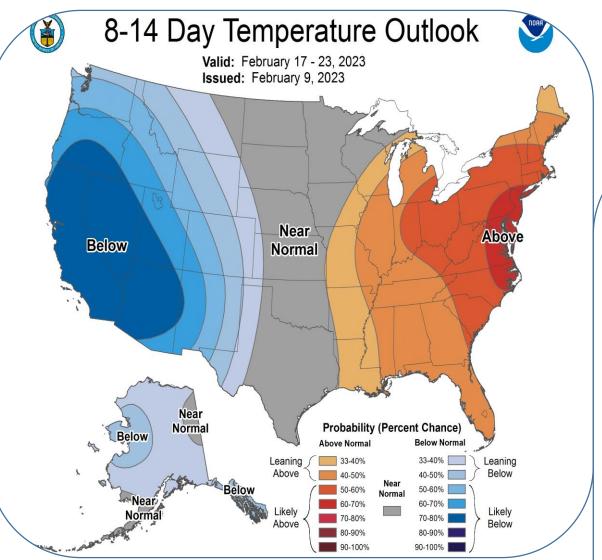


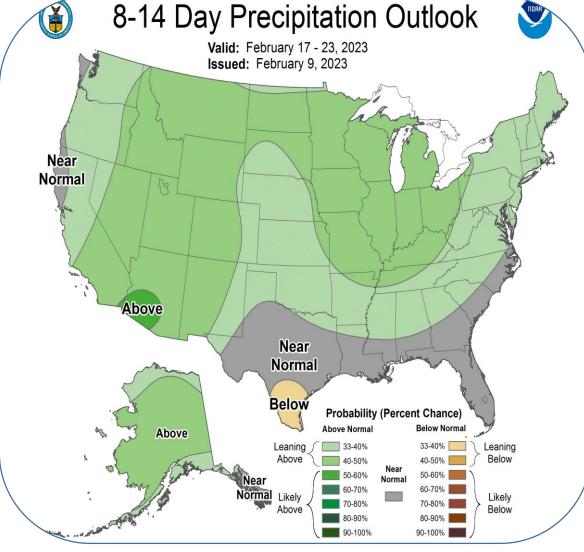


How Does This Compare to Last Year?

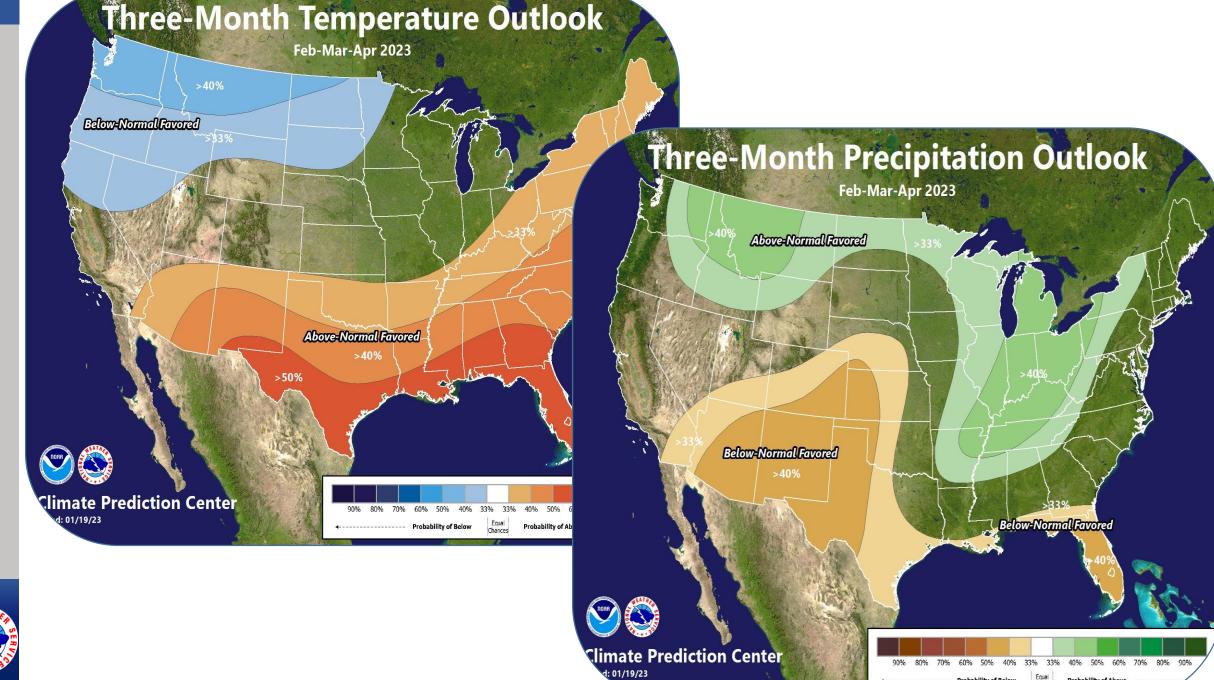
- 2022: Spring flood risk was below average
 - Below normal snow pack
 - Drier than normal soils
 - Fall and winter precipitation was below average
 - Moderate to severe drought conditions in Feb 2022





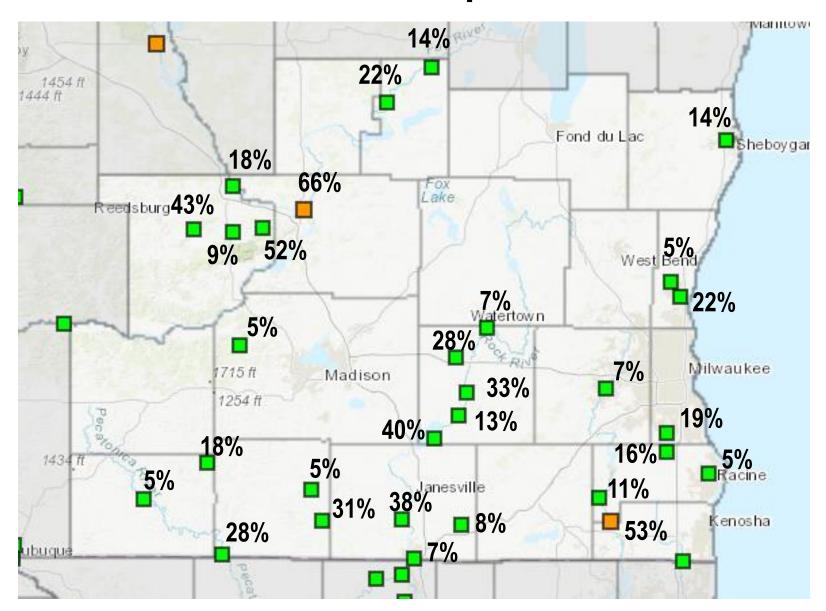








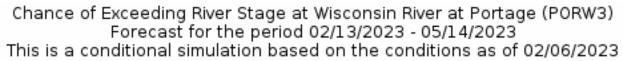
Chance of exceeding Minor Flood stage during Feb-March-April Season



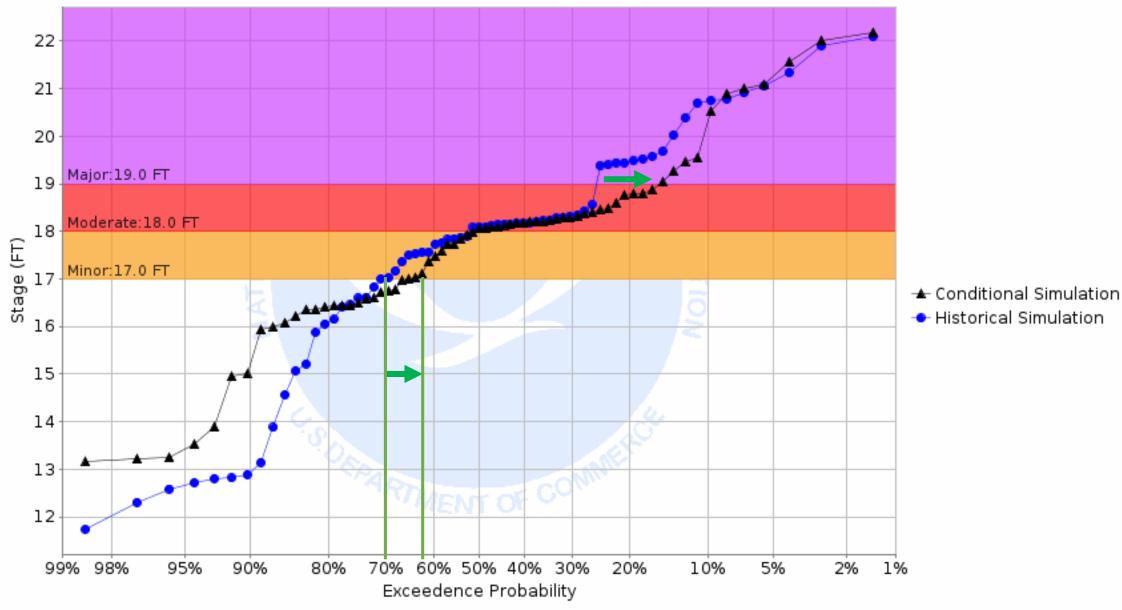
Greater than 50% chance of exceeding flood levels during March-April-May Season

- > 50% Major Flooding
- > 50% Moderate Flooding
- > 50% Minor Flooding
- < 50% Chance of Flooding



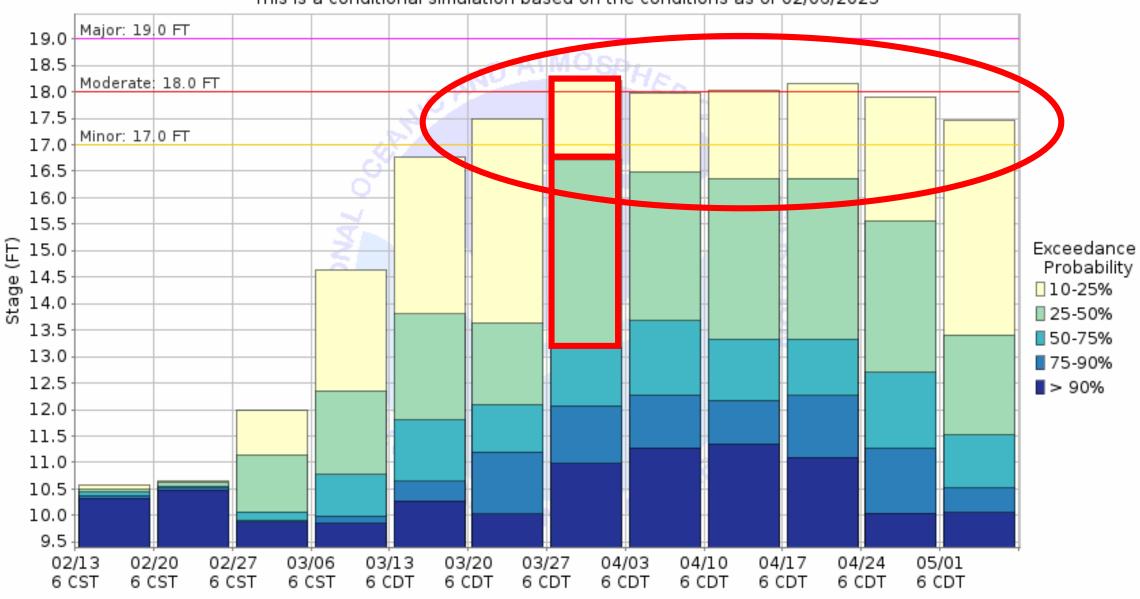








Weekly Chance of Exceeding River Stage at Wisconsin River at Portage (PORW3) Forecast for the period 02/13/2023 - 05/14/2023 This is a conditional simulation based on the conditions as of 02/06/2023



Date



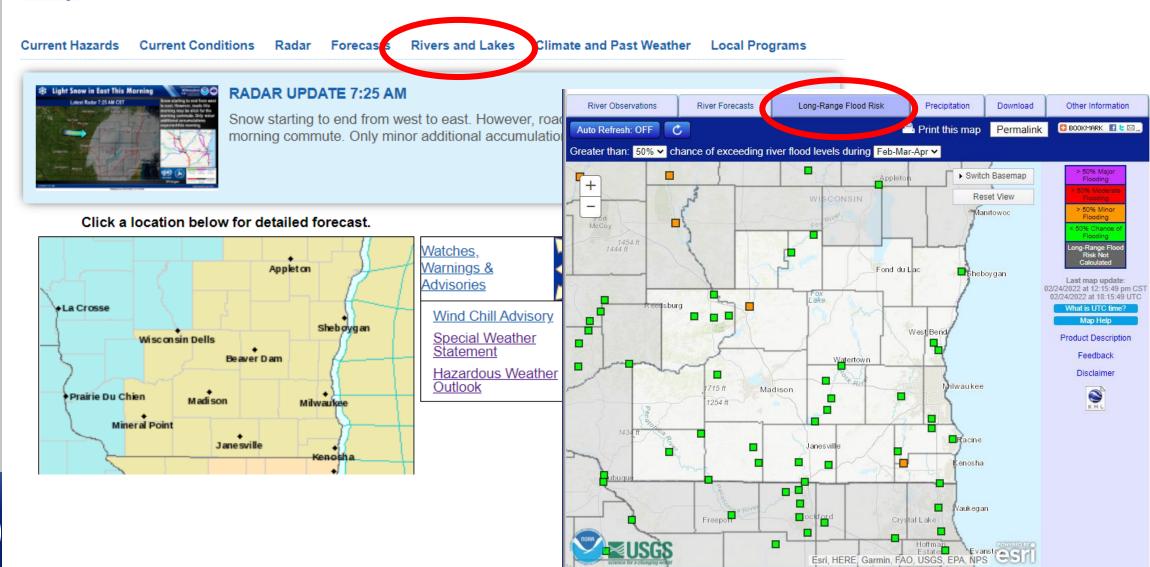
How To Find River Probability Info

NWS Forecast Office Milwaukee/Sullivan, WI

Milwaukee/Sullivan, WI

Weather.gov > Milwaukee/Sullivan, WI

Weather Forecast Office





City, ST

Rivers

Satellite

Climate

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Facts

Provide

Feedback

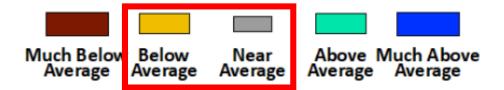
Go

National Weather Service

Advanced Hydrologic Prediction Service

News Organization O NW Home Search for: Local weather **National Observations** Probability Information forecast by "City, ST" This probabilistic forecast is issued by the North Central River Forecast Center **Probability Information** River at a Glance Hydrograph Download **National Conditions** Weekly Chance of Exceeding River Stage at Baraboo River a Weekly Chance of Exceeding Levels Forecast for the period 02/15/2021 - 05/1 This is a conditional simulation based on the condition **Observed Precip** Chance of Exceeding Levels During Entire Major: 23 1 FT Period **Local Conditions** Moderate: 22.0 FT Short-term Probabilistic Guidance (Experimental) 21 Not Available 20 19 18 AHPS Documentation **User Guide** 17 **User Brochure** Stage (FT) 15 14 Minor: 16.0 FT Exceedance Probability What is AHPS? 10-25% 25-50% **Our Partners** 13 50-75% 75-90% Feedback/Questions 12 ■ > 90% 11 10 **Ask Questions** 8

Flood Risk Summary



- Spring flood risk is average to slightly below average across all of southern Wisconsin
 - Streamflow is near to slightly above normal
 - Soil moisture is near to slightly above normal
 - Snow water content is average to below normal
- The greatest flood threat occurs if there is a rapid snowmelt or heavy rain
- Break up ice jams possible



Next Update: Feb 23-24

Questions?

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